

In the Editorial Office of the Periodical
"Elektrichestvo"

SOV/105-59-1-24/29

decided to prepare in the near future articles on the most important problems of electric drive, electric machines and transformers.

Card 3/3

8(5), 28(1)

SOV/105-59-8-25/28

AUTHOR: Sud, I. I., Engineer

TITLE: Third All-Union Joint Conference on the Automation of Production Processes in the Machine-building Industry and on Automated Electric Drives in Industries

PERIODICAL: Elektrichestvo, 1959, Nr 8, pp 87 - 90 (USSR)

ABSTRACT: This conference was convened in Moscow from May 12-16, 1959 by the AN SSSR (AS USSR), Gosplan SSSR (Gosplan USSR), GNTK SSSR (GNTK USSR), Gosudarstvennyy komitet po avtomatizatsii i mashinostroyeniyu (State Committee for Automation and Machine Construction), and the Natsional'nyy komitet SSSR po avtomaticheskому upravleniyu (National Committee of the USSR for Automatic Control). The conference was prepared by the Komissiya po tekhnologii mashinostroyeniya instituta mashinovedeniya AN SSSR (Commission for Machine Construction Technology of the Institute of Machine Science of the AS USSR), Nauchno-tehnicheskiy komitet po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii (Scientific and Technical Committee for the Automation of Production Processes in Machine Construction), IAT

Card 1/10

Third All-Union Joint Conference on the Automation of Production Processes in the Machine-building Industry and on Automated Electric Drives in Industries

SOV/105-59-8-25/28

AN SSSR (IAT AS USSR), MEI, NII EP and Nauchno-tehnicheskiy komitet po avtomatizirovannomu elektroprivodu (Scientific and Technical Committee for Automatized Electric Drives). The conference was attended by about 1500 persons: staff members of scientific research institutes and vuzes, technical personnel of petroleum enterprises, coal mines, and metallurgical plants in Moscow, Leningrad, Kiyev, Baku, Khar'kov, Sverdlovsk, and other industrial centers. The opening address at the plenary meeting was delivered by the Vice-President of the AS USSR, Academician I. P. Bardin. Academician V. I. Dikushin spoke about problems of automation in the machine-building industry. M. G. Chilikin, Doctor of Technical Sciences, and I. I. Petrov, Doctor of Technical Sciences, spoke about current problems of automatized electric drives. Academician N. G. Bruyevich spoke about problems of the reliability and accuracy in automatic production. Academician S. G. Strumilin reported on the economic aspects of automation. Engineer N. N. Borisenko reported on the production of electrical equipment,

Card 2/ 10

Third All-Union Joint Conference on the Automation of Production Processes in the Machine-building Industry and on Automated Electric Drives in Industries

SOV/105-59-8-25/28

Card 3/10

apparatus, and means of electric automation in the current 7 years. V. V. Solodovnikov, Doctor of Technical Sciences, spoke about the scientific fundamentals of comprehensive automation. In the section for general problems of electric drives, Academician V. S. Kulebakin spoke on problems of the application of the invariant principle in automatic electric drive systems. I. A. Syromyatnikov, Member of the GNTK SSSR (GNTK USSR), Doctor of Technical Sciences, spoke about problems of the economy in planning power engineering projects and about the reliability of electrical equipment. S. I. Artobolevskiy, Doctor of Technical Sciences, presented a classification of control mechanisms and -drives according to the motion of the final control element, the character of the variation of the amplification ratio, and other factors determining the design of the working machine. Ye. L. Ettinger, Candidate of Technical Sciences, held a lecture on the present-day stage and the prospects in the development of electric drives with electronic valves. B. M. Kagan,

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries SOV/105-59-8-25/28

Candidate of Technical Sciences, reported on methods of solving electromechanical problems by means of automatic digital computers. Engineer Yu. V. Mordvinov spoke about the automation of the calculation of optimum design factors of electromotors by means of electronic computers. I. R. Freydzon, Candidate of Technical Sciences, spoke about the application of electronic computers with continuous operation for the simulation of a motor-generator drive system. Engineer Yu. R. Reygol'd presented a simple method of compiling the transmission functions and the design factors of a motor-generator system, of its individual elements and of composite groups, taking the predominant internal feedbacks into account. V. A. Shubenko, Candidate of Technical Sciences, and Engineer Yu. P. Agafonov spoke about the investigation of electromagnetic transients in induction motors and of their influence upon the stable performance of induction-motor drives. S. F. Drobayazko, Candidate of Technical Sciences, Ya. B. Kadymov, Candidate of Technical Sciences, L. A. Radchenko, Candidate of Technical Sciences,

Card 4/1o

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries

SOV/105-59-8-25/28

Engineer A. V. Baltrushevich, Engineer G. V. Suvorov,
and Engineer B. M. Shraybman in their lectures dealt with
the investigation of transients in electric drives.
D. V. Koz'minykh, Candidate of Technical Sciences, Engineer
P. A. Suyskiy, and Engineer V. V. Shevchenko presented
methods of determining the thermal lay-out of electric
drives. A. V. Basharin, Doctor of Technical Sciences, de-
monstrated a graphical method of synthesizing automatic
control systems of electric drives. A. A. Larionov,
Corresponding Member, AS USSR, Engineer O. A. Kossov, and
Engineer A. Kh. Khasayev dealt with the performance of auto-
matized electric drives with increased and high frequency.
The lectures by O. V. Slezhanovskiy, Candidate of Technical
Sciences, S. Z. Barskiy, Candidate of Technical Sciences,
L. M. Tverdin, Candidate of Technical Sciences, Engineer
D. A. Alenchikov, Engineer O. N. Mel'nikov, and Engineer
I. M. Shteyn were concerned with problems and methods of
controlling electric drives. In the section for automatic

Card 5/10

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries

SOV/105-59-8-25/28

electric drives in metallurgy the following lectures were held:
Engineer N. A. Tishchenko spoke about problems in the field
of automatic electric drives in metallurgy. D. P. Morozov,
Doctor of Technical Sciences, N. P. Kunitskiy, Candidate of
Technical Sciences, and Engineer M. Ya. Pistrak reported on
the control of rolling-mill drives with thermionic valves. A. B.
Chelyustkin, Candidate of Technical Sciences, Engineer E. Yu.
Gutnikov, Engineer B. Z. Zil'derman, Engineer A. M. Ladyzhenskiy,
Engineer G. M. Levin, Engineer L. P. Smol'nikov, and Engineer
Z. B. Vartanov spoke about the use of program selectors and
computers for the electric drives in metallurgical works. V. D.
Afanas'yev, Candidate of Technical Sciences, O. V. Slezhanovs-
kiy, Candidate of Technical Sciences, N. N. Druzhinin, Candidate
of Technical Sciences, F. F. Olefir, Candidate of Technical
Sciences, and Engineer V. I. Arkhangel'skiy spoke about various
problems concerning the theory of the main drive of rolling
mills. In the section for automatized electric drives the follow-
ing lectures were held: Engineer G. A. Popov and Engineer L. V.
Maziya reported on the drive of the propeller of the atomic

Card 6/10

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries

SOV/105-59-8-25/28

icebreaker "Lenin", as well as on an investigation of this drive by means of a computer with continuous action. M. M. Sokolov, Candidate of Technical Sciences, determined the range of applicability of an induction drive motor with saturable reactors and investigated the drawbacks and advantages of the individual hookups of the reactor control. S. V. Strakhov, Doctor of Technical Sciences, Ya. B. Kadymov, Candidate of Technical Sciences, I. I. Gyul'mamedov, Candidate of Technical Sciences, and M. M. Rassulov, Candidate of Technical Sciences, in their lectures dealt with problems of the statics and dynamics of an electric drive with a synchronous motor fed from an alternator with a comparable output. A. Ye. Trop, Doctor of Technical Sciences, V. I. Yakovlev, Candidate of Technical Sciences, and Engineer A. G. Yefanov spoke about the drives of mining hoists and excavators. A group of staff members of the LETI im. V. I. Ul'yanova (Lenina) (LETI imeni V. I. Ul'yanova (Lenin)) under the supervision of A. V. Basharin, Doctor of Technical Sciences, held a lecture on an automatic control system

Card 7/10

Third All-Union Joint Conference on the Automation of Production Processes in the Machine-building Industry and on ~~Automated~~ Electric Drives in Industries

SOV/105-59-8-25/28

of an inclined and a vertical ship-lifting device by means of a drive with several electric motors. In the section for electric machines and means of automation the following lectures were held: Engineer B. I. Kuznetsov et al. spoke about the typical features of the new series of induction motors with an output of up to 100 kw. Ya. S. Gurin, Candidate of Technical Sciences, Engineer O. P. Sidorov, et al. spoke about the new series of direct-current machines. Engineer N. V. Kulikov spoke about the work in the "Elektrosila" Plant concerning large direct-current machines. F. A. Goryainov, Candidate of Technical Sciences, B. F. Tokarev, Candidate of Technical Sciences, I. P. Kopilov, Candidate of Technical Sciences, and Engineer V. I. Radin spoke about the design of rotary amplifiers. O. V. Benedikt, Academician of the Hungarian People's Republic, held a lecture on "The Auto-dyne and Its Application in Driving Working Machines". O. B. Bron, Doctor of Technical Sciences, spoke about problems connected with the increase of the interrupting capacity of direct-current and alternating-current disconnecting means. O. D. Yelgat'yevskaya, Candidate of Technical Sciences, T. A. Glazenko, Candidate

Card 8/10

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries

SOV/105-59-8-25/28

of Technical Sciences, I. B. Negnevitskiy, Candidate of Technical Sciences, Engineer I. A. Vevyurko, et al, reported on the calculation of magnetic amplifiers and clutches with electromagnetic fillers, on the application of Hall-EMF transducers in the investigation of transients, and on other things. F. V. Mayorov, Doctor of Technical Sciences, V. G. Zusman, Candidate of Technical Sciences, Engineer A. V. Zinchenko, et al.spoke about the control of metal-cutting machine tools by means of digital control device.. A. A. Sirotin, Candidate of Technical Sciences, reported on the system of a preset control of a vertical milling machine developed in the MEI. Engineer B. A. Ivobctenko and Engineer L. A. Sadovskiy reported on new power-step-by-step motors with high-speed action and small control power consumption. A. A. Sirotin, Candidate of Technical Sciences, and Engineer V. A. Yeliseyev reported on the development of a new electric drive system for grinding machines. At the final meeting, lectures were held by A. I. Kostousov, President of the State Committee for Automation and Machine Construction, the Soviet Minister;

Card 9/10

Third All-Union Joint Conference on the Automation
of Production Processes in the Machine-building Industry and on Automated
Electric Drives in Industries

SOV/105-59-8-25/28

Yu. Ye. Maksarev, President of the GNTK USSR, and A. Ye. Vyatkin,
President of the Komitet standartov, mer i izmeritel'nykh pri-
borov (Committee for Standards, Measures, and Measuring Instru-
ments).

Card 10/10

SUD, I.I., Candidate of Tech Sci - (miss) " Static and dynamic operation of
wiring with a rectilinear differential applicable to drilling devices,"
Moscow, 1960, 14 pp (Moscow Power Engineering Institute) (KL, 39-60, 115)

S/105/60/000/05/24/028
B007/B008

AUTHOR: Sud, I.I., Engineer

TITLE: In the Komissiya po elektroprivodu i nizkovol'tnoy apparature GNTK Soveta Ministrov SSSR (Commission for Electric Drives and Low-voltage Apparatus of the State Scientific and Technical Committee at the Council of Ministers of the USSR)

PERIODICAL: Elektrichestvo, 1960, No. 5, pp. 86-88

TEXT: The meeting of the Komissiya po elektroprivodu i nizkovol'tnoy apparature GNTK SSSR (Commission for Electric Drives and Low Voltage Apparatus of the State Scientific and Technical Committee of the USSR) was held under the chairmanship of I.I. Petrov, Professor, Doctor of Technical Sciences, from December 21-22, 1959. The meeting dealt with the state and coordination of the studies in the field of electric drives, as well as with problems of the development of a centralized production of electromagnetic clutches. Delegates from works, scientific research- and planning institutions and schools of higher learning participated in the work of the Commission. The main problems of the scientific research work in the field of electric drives were outlined in the

Card 1/4

In the Komissiya po elektroprivodu i nizkovol'tnoy
apparature GNTK Soveta Ministrov SSSR (Commission for
Electric Drives and Low-voltage Apparatus of the State
Scientific and Technical Committee at the Council of
Ministers of the USSR)

S/105/60/000/05/24/028
B007/B008

data submitted by I.I. Petrov, Professor, Doctor of Technical Sciences,
A.V. Basharin, Professor, Doctor of Technical Sciences (LETI (Leningrad
Electrotechnical Institute)) and A.B. Chelyustkin, Candidate of Technical Sciences
(IAT AN SSSR (Institute of Automation and Telemechanics of the AS USSR)). The
Commission stated that the fact that research work is not comprehensive is
one of the main deficiencies reflected in publications on electric drives. The
Commission recommended the following measures: new electrotechnical products
must be developed as unit assemblies and series. Controllable economic a.c.
drives with frequency control must be built. A variation of motors with heat-
resisting insulation for increased switching-on frequency must be developed
on the basis of the standard series of induction motors with squirrel-cage rotor.
The system: controlled mercury-arc rectifier - motor is to be worked out for
reversible electric drives. Comprehensive installations must be developed for
contactless control of electric drives, large semiconductor rectifiers, semi-
conductor rectifier - motor systems, series of symmetrical and asymmetrical

Card 2/4

In the Komissiya po elektroprivodu i nizkovol'tnoy
apparature GNTK Soveta Ministrov SSSR (Commission for
Electric Drives and Low-voltage Apparatus of the State
Scientific and Technical Committee at the Council of
Ministers of the USSR)

S/105/60/000/05/24/028
B007/B008

nonlinear semiconductor resistors for control circuits of electric drives,
primary pickups for the control of the position of machined workpieces and
the working organs of machine tools, pickups for electric and nonelectric
quantities et al. The VNIIEIM (All-Union Scientific Research Institute of
Electromechanics) takes over the role of leading organization and is respon-
sible for the coordination of investigations in the field of the electric
drive. Engineer O.N. Tatur (ENIMS (Experimental Scientific Research Institute
of Metal-cutting Lathes)) reported on "Prospects for the Development of a
Centralized Production of Electromagnetic Clutches." Engineer T.A. Glazenko
reported on "Ferromagnetic Powder Clutches and Their Application to Automatic
Electric Drive Systems." The series of multiplate ferromagnetic powder clutches
manufactured by the "Elektrostanok" Works does not satisfy the demand of
machine tool construction. A heavy multiplate clutch with contactless current
feed for a torsional moment of 630 kgm was developed in 1959 and a series of
quick-acting multiplate clutches for 2.5 - 40 kgm is being developed at present.
Ferromagnetic powder clutches are being tested in automobile construction,

Card 3/4

In the Komissiya po elektroprivodu i nizkovol'tnoy
apparature GNTK Soveta Ministrov SSSR (Commission for
Electric Drives and Low-voltage Apparatus of the State
Scientific and Technical Committee at the Council of
Ministers of the USSR)

S/105/60/000/05/24/028
B007/3008

experimental specimens of such clutches are being developed for excavators.
The Commission recommended to organize an industrial base for a centralized
production of ferromagnetic powder clutches. Such clutches for moments of from
0.5 to 1600 kgm are to be developed. The ENIMS was ordered to work out the
relevant standard designs. The Institut elektromekhaniki AN SSSR (Institute
of Electromechanics of the AS USSR), the VEI, the TsINTI, the NAMI and the
VNIIstroydormash are mentioned in addition to the above Institutes.

Card 4/4

SUD. I.I., inzh.

First Congress of the International Federation of Automatic
Control. Elektrichesatvo no.9:93-95 8 '60. (MIRA 13:10)
(Automatic control--Congresses)

FOMENKO, Fedor Nikitich. Prinimali uchastiye: SHKOL'NIKOV, B.M., kand.
tekhn. nauk; SUD, I.I., inzh.; GRACHEV, Yu.V., kand. tekhn. nauk;
PETROVA, Ye.A., ved. red.; FEDOTOVA, I.G., tekhn. red.

[Electrodrills for drilling oil and gas wells] Elektrobury dlia
burenija neftianykh i gazovykh skvazhin. 2., dop. i perer. izd. Mo-
skva, Gos.nauchno-tekhn.izd-vo neft.i gorno-toplivnoi lit-ry, 1961.
327 p. (MIRA 14:12)
(Oil well drilling, Electric--Equipment and supplies)

SUD, Isaak Izrailevich, inzh.; SULKHANISHVILI, Ivan Nikolayevich,
kand. tekhn. nauk; SHKOL'NIKOV, Bernard Markovich, kand. tekhn.
nauk. Prinimal uchastiye ABRUKIN, A.L., kand. tekhn. nauk;
SIDOROV, V.N., inzh., ved. red.; POLOSINA, A.S., tekhn. red.

[Oil-field electrical engineering handbook] Spravochnik
neftepromyslovogo elektrika. [By] I.I.Sud, I.N.Sulkhanishvili,
B.M.Shkol'nikov. Moskva, Gostoptekhizdat, 1961. 510 p.
(MIRA 15:4)

(Petroleum industry--Electric equipment)

SHTURMAN, L.I., kand.tekhn.nauk; SUD, I.I., inzh.

Using combined-type generators in diesel-electric drilling
rigs. Trudy Giproneftemasha.Nefteprom.delo no.1:18-20 '61.
(Oil well drilling rigs--Electric equipment)

(MIRA 15:8)

MARINCHENKO, Vladimir Alekseyevich; SUD, I.I., red.; GOLYATKINA, A.G.,
red. izd-va; KARASEV, A.I., tekhn. red.

[Efficient use of electric power in rolling mills] Voprosy ratsional'nogo ispol'zovaniia elektroenergii v prokatnykh tsekhakh.
Moskva, Metallurgizdat, 1962. 134 p. (MIRA 16:2)
(Rolling mills) (Electric power)

GLAGOLEV, Georgiy Il'ich; GOLOVAN,A.T., doktor tekhn.nauk,prof.,retsenzent;
KHARIZAMENOV, I.V., doktor tekhn.nauk,prof.,retsenzent; SUD,I.I.,red.;
SUSHKIN, I.N.,red.izd-va; MIKHAYLOVA,V.V., tekhn.red.

[Electrical equipment of press and forging shops] Elektrooborudovanie kuznechno-pressovykh tsekhov. Moskva, Metallurgizdat, 1962.
311 p. (MIRA 15:7)

(Forging) (Electric driving)

IL'SKIY, Aleksandr Longinovich, kand. tekhn.nauk. Prinimali uchastiye:
SUD, I.I., kand. tekhn. nauk; OSIPOV, K.G., kand. tekhn. nauk;
NIKOLICH, A.S., inzh.; SHKOL'NIKOV, B.M., kand. tekhn. nauk;
SKLOVSKIY, G.O., inzh., retsenzent; PETROVA, Ye.A., veduchshiy
red.; POLOSINA, A.S., tekhn. red.

[Calculation and design of drilling equipment and tools] Raschet
i konstruirovaniye burovogo oborudovaniya i instrumenta. Moskva,
Gostoptekhizdat, 1962. 636 p. (MIRA 15:12)
(Boring machinery)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUD, I.I.

Reliability of electric drilling equipment. Mash. i naft'.
obor. no.1:15-17 '63. (MIRA 17:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy
institut neftyanogo mashinostroyeniya.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUD, I.I., kand.tekhn.nauk

Determination of power losses in the coupling clutches of the
electric drives of draw works. Elektrichestvo no.4:45-48 Ap
'63. (MIRA 16:5)
(Winches---Electric driving)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

MOGILEVSKIY, V.G. (Moskva); SUD, I.I. (Moskva); SHTURMAN, L.I. (Moskva)

Electromagnetic power brakes for drilling winches. Elektrichestvo
no.10:70-74 0 '63. (MIRA 16:11)

ZAMANSKIY, Mikhail Abramovich, dots.; SUD, Isaak Izrailevich,
kand. tekhn. nauk; SULKHANISHVILI, Ivan Nikolayevich,
kand. tekhn. nauk; TARASOV, Dmitriy Aleksandrovich, dots.;
SHKOL'NIKOV, Bernard Markovich, kand. tekhn. nauk;
SITURMAN, Leonid Isayevich, kand. tekhn. nauk; STOTSKIY,
L.R., kand. tekhn. nauk, dots., red.;

[Electric equipment for oil and gas fields] Elektrooborudovanie neftianykh i gazovykh promyslov. Moskva, Izd-vo
"Nedra," 1964. 303 p. (MIRA 17:7)

MOGILEVSKIY, Vladimir Grigor'yevich; SUD, I.I., red.

[Electromagnetic powder clutches and brakes] Elektro-
magnitnye poroshkovye mifty i tormoza. Moskva, Energiia,
1964. 104 p. (Biblioteka po avtomatike, no.116)
(MIRA 17:12)

DENISOV, V.A., dotsent; CHAPLYGIN, Yu.N., inzh.; SUD, I.I., kand.tekhn.
nauk

Ionic drive system with "excavator" characteristics. Izv.vys.
ucheb.zav.; gor.zhur. 7 no.2:137-142 '64. (MIRA 17:3)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V.Kuyby-
sheva (for Denisov, Chaplygin). 2. Gosudarstvennyy nauchno-issledo-
vatel'skiy i proyektnyy institut neftyannogo mashinostroyeniya (for
Sud). Rekomendovana kafedroy elektrotekhniki i elektroprivoda Mos-
kovskogo inzhenerno-stroitel'nogo instituta imeni V.V.Kuybysheva.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

Electronically excited electric dipole transition radiation
privet. Moscow, Energia, 1972, 119 pp. RUB 12.50

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

BEL'MIKH, S. S.; MIRONOV, Yu. N.; SUD'YANOV, I.

Comparison of power characteristics of asynchronous and synchronous electric drives of drilling winches. Elektrichestvo no. 8:30-32 Ag '65. (MIRA 18:9)

Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUD, I.I., kand.tekhn.neuk

Use of asynchronous motors in the electric drives of drilling
winches. Prom. energ. 29 no. 3:34-38 Mr '65.

(MIRA 18:6)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

KOPČEKY, M.; SUDA, J.

Number of sunspot groups formed from 1951 till 1954 and their
duration. Všeobecne. Biul astr Cz 16 no,2;78-80 '65.

1. Astronomical Institute of the Czechoslovak Academy of Sciences,
Ondrejov. Submitted August 26, 1964.

SUDA, M.; SACHLOVA, M.

Clinical significance of simultaneous Weltmann test and Brdicka's filtration reaction. Cas.lek.cesk. 93 no.26:721-723 Je '54.

1. Z detskeho lecебnho stavu lazni ve Frantiskovych Laznich; vedouci lekar MUDr Mojmir Suda. 2. Z uстredni laboratore statnich lazni; prednosti RNDr Miluse Sachlova.

(LIVER FUNCTION TESTS,

*Brdicka filtration reaction with simultaneous Weltmann test)

(WELTMANN TEST,

*with simultaneous Brdicka's filtration reaction)

TESARIKOVA, L.; SUDA, M.; RICNY, D.; RUSIKA, H.; KUBES, V.; JURKO, A.;
GREGR, V.; BOUCHALOVA, M.

Reactivity of children with rheumatic fever during the course
of the year. Fysiat. vestn. 43 no.2:83-91 Mr '65

1. II. detska klinika (prednosta - prof. dr. M.Toman), katedra
zdravotnictvi (vedouci - prof. dr. A. Zacek) lekarske fakulty
University J.E.Purkyne v Brne; Detske lecby pro reumatiky a
kardiaky v Bludove, Podebrad ch, Sliaci a Teplicich n.b.
(vedouci - MUDr. V. Kubes, MUDr. V. Gregr; MUDr. J. Kozacek a
MUDr. L. Tesarikova).

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUDA, Miloslav, inz.

~~Problems of plywood production. Drevo 18 no.5:176-178 My '63.~~

1. Vyzkumny a vyvojovy ustav drevarsky, Praha.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUDA, Miloslav, inz.

Problems of plywood production. Drevo 18 no.4:136-139
Ap '63.

1. Vyzkumny a vývojový ustav dřevářský, Praha.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

KICNY, Drahoslav; SUDA, Mojmir

Streptolysin and streptokinase skin tests in children with rheumatic fever. Cesk. pediat. 16 no.5:398-407 My '61.

1. II detska klinika v Brne, prednosta akademik Otakar Teyschl Detska lecебна pro reumatiky a kardiaky ve Frant. Laznich, prim. dr. M. Suda.

(RHEUMATIC FEVER diag) (STREPTOLYSIN)
(STREPTOKINASE pharmacol)

CZECHOSLOVAKIA/Magnetism - Ferromagnetism.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 13203

Author : Suda, Pavel

Inst :

Title : Effect of Tension on the Structure of Domain Patterns.

Orig Pub : Ceskosl. casop. fys., 1956, 6, No 2, 224-225

Abstract : See Referat Zhur Fizika, 1957, No 4, 9512

Card 1/1

- 63 -

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

S/137/62/000/004/079/201
A052/A101

AUTHORS: Pačes, J., Šuda, P.

TITLE: The influence of plastic deformation on the magnetostriction constant of nickel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 6, abstract 4140 ("Chekhosl. fiz. zh.", B 11, no. 6, 1961, 439 - 443, English; Russian summary)

TEXT: The magnetostriction constant of polycrystalline Ni samples was measured as a function of the value of plastic deformation (tension). The apparent value of magnetostriction constant is equal to $(-36.1 \pm 0.25) \cdot 10^{-6}$. Absolute values of magnetostriction constant increase slightly (by $\sim 1\%$) at small deformations and show a linear decrease at large deformations ($\sim 5\%$ at $\delta = 30\%$). With deformed samples a spread of values ($\pm 5\%$) is observed which cannot be explained by an inaccuracy of measurements. There are 6 references.

[Abstracter's note: Complete translation]

B. Slonimskiy

Card 1/1

L 17491-63

EMT(1)/BDS AFFTC/ASD/BSD-3/IJP(C) GG

Z/0028/63/000/002/0057/0071

ACCESSION NR: AP3001639

AUTHOR: Kambersky, Vladimir; Suda, Pavel

57

TITLE: Ferromagnetic thin layers

SOURCE: Pokroky matematiky, fyziky a astronomie, no. 2, 1963, 57-71

TOPIC TAGS: spontaneous magnetism, magnetic state change, magnetic change, memory

ABSTRACT: The influence of the thickness of the layer on spontaneous magnetism and on behaviour in a magnetic field was studied. Magnetic properties may be used as parameters for the study of structure or physical properties of substances. They can also be used for the study of behaviour of surfaces such as catalytic properties or corrosion. Spontaneous magnetism is caused by the absence of neighbours of atoms on free surface that are replaced by foreign atoms such as adsorbed gases. Magnetic anisotropy is more sensitive than spontaneous magnetism, and is caused by lower symmetry in the surrounding of surface atoms. The surface anisotropy changes strongly in presence of foreign atoms on the surface. The nature of the surface is of course very important. Spontaneous

Card 1/2

L 17491-63

ACCESSION NR: AF3001689

magnetism does not depend on the thickness of the layer when it is thicker than 20 Angstrom. Layers thinner than this were not prepared in a state of satisfactory continuity. Transmission electron microscopy and spinwave resonance allowed experimental solution of the problem of location of magnetism in a wall and made it possible to measure the constant of exchange interaction. Under certain circumstances it is possible to change the magnetic properties of a thin layer by a homogenous rotation in a time of approx. 10 to minus 9 seconds. It should be noted that the quickest "memory" using ferritic elements has a resolving time of 7 times 10 to minus 7 and that the change in magnetization is the limiting factor of the speed. "Memories" using thin layers are already in use and the time required for the change in magnetic properties is only 5% of the total resolving time. Orig. art. has: 7 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 28May63

ENCL: 00

SUB CODE: PH

NO REF Sov: 000

OTHER: 003

Card 2/2

PACHS, Jaroslav; SUHA, Pavel

Ultrahigh vacuum apparatus for preparing thin metallic films and examining their electric properties. Cs cas fys 13 no. 4: 272-277 '63.

1. Fysikalni ustav, Ceskosloverska akademie ved, Praha.

KACZER, J.; ZELENY, M.; SUDA, P.

Transitional periodic domain structure in thin films of
magnetically uniaxial materials. Chekhosl fiz zhurnal 13 no.8:
579-585 '63.

1. Fyzikalni ustav, Ceskoslovenska akademie, ved, Praha.

ACCESSION NR: AP3005955

Z/0055/63/013/008/0579/0585.

AUTHOR: Kaczer, J.; Zelený, M.; Šuda, P.

TITLE: Transitional periodic domain structure in thin films of magnetically uniaxial materials

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 13, no. 8, 1963, 579-585

TOPIC TAGS: magnetic plate, magnetic structure, magnetism, magnetic uniaxial material, periodic domain structure, domain structure, ferromagnet, iron magnet, demagnetization

ABSTRACT: The paper gives the theory of transitional domain structure in thin films of uniaxial ferromagnets with an easy axis perpendicular to the film. This domain structure was first studied by Ch. Kittel (Phys. Rev. 70 (1946), 965) and Z. Málek and V. Kamberský (Czech. J. Phys. 8 (1958), 416), who calculated the influence of the demagnetizing energy more exactly. They based their calculations on a simple model of a thin ferromagnetic film composed of domains in the shape of parallel plates alternately magnetized normal to the surface. From the results obtained until now it is seen that there exists a region of critical thicknesses at which the structure of the anti-parallel magnetized

Card 1/3

ACCESSION NR: AP3005955

plates changes into another structure, the type of which depends on the material constants and which is energetically more favorable. Depending on the ratio $k = 2\pi I_s^2/K_1$, where I_s is the saturation magnetization and K_1 the anisotropy constant of the film, the plate structure changes for $k \leq 1$ into a single-domain film magnetized perpendicular to the film; for $k \geq 1$, on the other hand, we get a single-domain film (on the assumption that the film is unbounded), in which the magnetization lies in the plane of the film. It is to be expected that the transition from one to another is not sudden, but that there exists at least one transitional structure. In the present paper a model for such a structure is proposed and its energy is calculated. It is proved that in a certain range of thicknesses this transitional periodic domain structure is energetically more advantageous than the plate structure originally proposed by Kittel. The proposed model explains the transition from the Kittel structure to the homogeneously magnetized film. The results showed that the transition occurs suddenly at a certain critical thickness when the thickness of the film is decreased. "The authors thank Z. Málek (C. Sc.) and V. Janovec (C. Sc.) for valuable remarks and V. Kamberský for help in the numerical calculations." Orig. art. has: 8 formulas and 6 figures.

Card 2/3

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

ACCESSION NR: 113005955

ASSOCIATION: Fyzikalni ustav CSAV, Prague (Institute of Physics, CSAV)

SUBMITTED: 13Nov62

DATE ACQ: 26Aug63

ENCL: 00

SUB CODE: EM

NO REF Sov: 000

OTHER: 006

Card 3/3

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

Card 1 of 3

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

Digitized by srujanika@gmail.com

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

L 45423-66 EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6026378 (n) SOURCE CODE: GE/0030/66/015/001/0137/0139

AUTHOR: Gontarz, R.; Ratajczak, H.; Suda, P.

16
15B

ORG: [Gontarez; Ratajczak] Laboratory of Ferromagnetics, Institute of Physics,
Polish Academy of Sciences, Poznan; [Suda] Institute of Physics, Czechoslovak
Academy of Sciences, Prague

TITLE: Stresses in thin Ni-films with uniaxial anisotropy

17 17

SOURCE: Physica status solidi, v. 15, no. 1, 1966, 137-139

TOPIC TAGS: uniaxial anisotropy, linear stress, nickel film

ABSTRACT: Measurements are made of linear stresses in Ni-films deposited at angles of incidence of the vapor ranging from 0 to 80°, perpendicular (π_x) and parallel (π_y) to the plane of incidence. The stresses are found to increase for small angles and to decrease for angles above 20°. The π_x stresses decrease more rapidly, and become negative above 60°. The dependence of the stresses on the angle of incidence of the vapor can be explained in terms of the anisotropy of the

Card 1/2

SUDACHEK T.N.; SAVCHENKO, S.A.

Sugar beets for the production of sugar and feeds. Sakn.prom. 36
no.9:19-21 S '62. (MIRA 16:11)

1. Kolkhoz imeni Lenina Bershadskogo rayona Vinnitskoy oblasti.

REVIN, B.; SUDACHENKO, V.G.

Resources for increasing the yields of grain crops in the Kuban.
Zemledelie 4 no.6:58-63 Je '56. (MLRA 9:8)
(Kuban--Grain)

SUDACHENKO, V.G., kand. sel'skokhozyaystvennykh nauk; DROGALIN, P.V., kand. sel'skokhozyaystvennykh nauk; SEMIKHANENKO, P.G., kand. sel'skokhozyaystvennykh nauk; IGNAT'YEV, B.K., kand. sel'skokhozyaystvennykh.

Let's avoid a routine application of cultivation practices.
Zemledelie 6 no.5:50-56 My '58. (MIRA 11:6)
(Krasnodarsk Territory--Wheat) (Tillage)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUDACHENKO, V.G., kand. sel'skokhozyaystvennykh nauk

High winter wheat yields in the Kuban. Zemledelie 6 no.11:31-32
N '58.

(Kuban-Wheat)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

SUDACHENKOV, V. V.

Protzoa, Pathogenic

Superinfection as basic factor in the preservation of the babesiosis nucleus. Veterinaria
29 no. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, July 1958, Unclassified.

2

SUDACHENKOV, V.V., kandidat veterinarnykh nauk.

Causes of epizootic outbreaks of infection with Dictyocaulus
in cattle. Veterinaria 32 no.12:25-27 D '55. (MIRA 9:4)

1. Valmierskiy myasekombinat Latviyskey SSR.
(CATTLE--DISEASES) (NEMATODES)

1.
Latvian Meat Company, Riga, JSCE

SUDACHENKOV, V.V., kand. veterin. nauk

Differentiation of specific and nonspecific reactions to
tuberculin. Veterinarija 40 no.10:21-24 0'63. (MIRA 17:5)

1. Valmiyerskaya mezhrayonnaya veterinarnaya laboratoriya
Latviyskoy SSR.

SUDACHENKOV, V.V., kand. veter. nauk

Evaluating a simultaneous tuberculin test in cattle.
Veterinariia 42 no.11:35-37 N '65.

(MIRA 19:1)
I. Valmiyorskaya veterinarnaya laboratoriya Latviyskoy SSR.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUDACHKOV, Yevgeniy Yakovlevich; KOZLOVSKIY, B.A., red.; SVETLAYEVA, A.S.,
red. izd-va; BRATISHKO, L.B., tekhn. red.

[Forest maturity] Spelost' lesa. Moskva, Goslesbumizdat, 1957. 52 p.
(Forest and forestry) (MIRA 11:7)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

SUDACHKOV, Ye, Ya.

GUL'BINOVICH, Mikhail Ivanovich, prepodavatel'; MASHINSKIY, Lev Osipovich,
kandidat biologicheskikh nauk; SUDACHKOV, Ye.Ya., redaktor;
ALTUF'YEVA, A.M., redaktor izdatel'stva; KOMAROVA, A.D.,
tekhnicheskiy redaktor

[Economics, organization, and planning of municipal landscaping]
Ekonomika, organizatsiya i planirovanie gorodskogo zelenogo stroitel'-
stva. Moscow, Izd-vo M-va kommun.khoz. RSFSR, 1957. 263 p.

(MIRA 10:10)

1. Kafedra ekonomiki i organizatsii proizvodstva Moskovskogo leso-
tekhnicheskogo instituta (for Gul'binovich)
(Landscape gardening)

YUDOVICH, Ya. Ya., Doc Agr Sci -- (Inv) "Organizational Foundations
of Forestry Production." Nov, 1958. 36 pp (Inst of Forestry, Acad Sci USSR),
110 copies (KL, 24-58, 121)

-71-

VORONIN, Ivan Vasil'yevich; VOSKRESENSKIY, Dmitriy Alekseyevich; KOZLOV, Nikolay Andreyevich; LEBEDEV, Arseniy Andreyevich; PEREPECHIN, Boris Mikhaylovich; SUDACHKOV, Yevgeniy Yakovlevich, kand.ekon. nauk; CHULITSKIY, Lev Dmitriyevich; KARASIKOV, S.A., prepodavatel', rezensent; MOTOVILOV, G.P., doktor sel'skokhoz.nauk, red.; SHAKHOVA, L.I., red.izd-va; FUKS, Ye.A., red.izd-va; BACHURINA, A.M., tekhn.red.

[Forestry economics; organization and production planning] Ekonomika lesnogo khoziaistva; organizatsiya i planirovanie proizvodstva. Moskva, Goslesbumizdat, 1958. 292 p. (MIRA 12:3)

1. Khrenovskiy tekhnikum lesnogo khozyaystva (for Karasikov).
(Forests and forestry--Economic aspects)

SUDACHKOV, E.

AGRICULTURE.

Periodical LESNICKY CASOPIS. Vol. 4, no. 4/5, 1958.

SUDACHKOV, E. Some Problems of forestry organization. Tr. from the Russian. p. 230.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

VASIL'YEV, Prokofiy Vasil'yevich; VORONIN, I.V.; MOTOVILOV, G.P.;
SUDACHKOV, Ye.Ya.

[Economics of Soviet forestry] Ekonomika lesnogo khoziaistva
SSSR. Moskva, Goslesbumizdat, 1959. 371 p. (MIRA 13:5)
(Forests and forestry--Economic aspects)

VORONIN, Ivan Vasil'yevich; SUDACHKOV, Ye.Y., red.; PLESHANOVA, M.I.,
red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[Analytical principles of the economic operation of a lumber
camp] Osnovy analiza khoziaistvennoi deistel'nosti leskhoza,
Moskva, Goslesbumizdat, 1960. 45 p. (MIRA 13:9)
(Lumbering--Accounting)

VORONIN, Ivan Vasil'yevich, dotsent; VASIL'YEV, Prokofiy Vasil'yevich, prof.; ALTSYSHKIN, Sergey Petrovich, inzh.; ISHIN, Dmitriy Petrovich, inzh.; KOSTYUKOVICH, Fedor Trofimovich, dotsent; MAKAROV, Grigoriy Yefimovich, inzh.; RADETSKIY, Vitaliy Il'ich, kand.sel'skokhoz.nauk; SABO, Yevgeniy Dyul'yevich, kand.tekhn. nauk; SUDACHKOV, Yevgeniy Yakovlevich, doktor sel'skokhoz.nauk; FEDOROVYKH, Mikhail Leonidovich, assistant; TANYSHKO, Anatoliy Davydovich, assistant; FUKS, Ye.A., red.izd-va; KUZNETSOVA, A.I., tekhn.red.

[Organizing and planning work at forestry enterprises] Organizatsiya i planirovanie proizvodstva na predpriyatiakh lesnogo khoziaistva. Moskva, Goslesbumizdat, 1960. 328 p.

(MIRA 14:2)

(Forest management)

VORONIN, Ivan Vasil'yevich; SUDACHKOV, Ye.Ya., red.; SVETLAYEVA, A.S.,
red.izd-va; SHIBKOVA, R.Ye., tekhn. red.

[Organization of combined forest working circles and logging
camps in forests of the first and second categories]Organiza-
tsiya kompleksnykh khoziaistv v lesakh pervoi i vtoroi grupp.
Moskva, Goslesbumizdat, 1962. 81 p. (MIRA 16:3)
(Forest management)

VORONIN, Ivan Vasil'yevich, prof.; ZDRAYKOVSKIY, Dionis Iosifovich;
KOZLOV, Nikolay Andreyevich; LEBEDEV, Arseniy Andreyevich;
SEMENOV, Izosim Alekseyevich; SUDACHKOV, Yevgeniy Yakovlevich;
VASIL'YEV, P.V., doktor ekon. nauk, retsentz; KARASIKOV,
S.A., retsentz; MOTOVILOV, G.P., red.; SVETLAYEVA, A.S., red.
izd-va; POPOVA, V.V., tekhn. red.

[Economics, organization and planning of lumbering production in
lumbering camps] Ekonomika, organizatsiya i planirovanie leso-
khoziaistvennogo proizvodstva v leskhozakh i lespromkhozakh.
Izd.2, dop. i perer. [By] I.V.Voronin i dr. Moskva, Goslesbum-
izdat, 1963. 299 p.
(MIRA 17:2)

SUDACHKOVA, N.Ye.

Development of root systems and nitrogen-phosphorus metabolism in
the regrowth of conifers under alpine conditions. Izv. SSSR AN SSSR
no.4 Ser. biol.-med. nauk no.1:22-26 '64.

(1117 17:11)

1. Institut lesa i drevesiny Silvirologicheskogo otdeleniya AN UkrSSR, Krasnayaarsk.

SUDACHKOVA, N.Ye.

Effect of root exudations of the parent stand and the
conditions of mineral nutrition on the development of
seedlings of Pinus sibirica Du Tour. Bot.zhur. 50
no.7:967-970 Jl '65. (MIRA 18:11)

1. Institut lesa i drevesiny, Krasnoyarsk.

SUDACHKOVA, N. Ye.

Water balance and the state of root systems of young growths
of conifers in the mountains. Trudy Inst. biol. UFAN SSSR
no. 43:81-84 '65 (MIRA 19:1)

1. Institut lesa i drevesiny Sibirskogo otdeleniya AN SSSR.

L 00859-67

ACC NR: AP6030419 SOURCE CODE: CZ/0092/66/017/003/0144/0149

AUTHOR: Kopecky, M.; Suda, J.ORG: Astronomical Institute of the Czechoslovak Academy of Sciences, Ondrejov

TITLE: Some notes on the form of polar coronal rays

SOURCE: Ceskoslovenska akademie ved. Byulleten' astronomiceskikh institutov Chekhoslovakii, v. 17, no. 3, 1966, 144-149

TOPIC TAGS: solar corona, polar coronal ray

14 B

ABSTRACT: The paper discusses the relationship between the form of polar coronal rays and the over-all form of the solar corona, the dependence of the change in angle α between the coronal ray and the normal to the limb of the solar disc on the distance from this limb and, eventually, the forms of polar coronal rays resulting from this change; The authors wish to thank Mrs. Jana Sudova for her assisting them in measuring the drawing of the system of polar rays and numerically computing by the least square method the parameters K using the relation $\alpha = k(9 - i)$. Orig. art. has: 9 figures and 10 formulas. [Authors' abstract]

[KS]

SUB CODE: 03, 20/ SUBM DATE: 15Dec65/ SOV REF: 007/ OTH REF: 007/

hs

Card 1/1

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

VOLKONSKIY, B.V., inzhener; SUDAKAS, L.G., inzhener.

Isotopic exchange processes and diffusion in calcium silicates.
TSement 23 no.3:17-19 My-Je '57. (MLRA 10:7)
(Calcium sulfate) (Radioisotopes—Industrial applications)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

the first contacts

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

GOLYANKIN, V.I.; SUDAKOV, L.G.

certain regularities in the occurrence of binding properties in
precipitate systems. Zhur. prikl. khim. 38 no.7:1466-1472 Jl '65.
(MIRA 18:7)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

Soviet Soil, No. 10.

"Procedure for the Measurement of the Temperature of Soil at the Depth of the Module of Rooting of Winter Crops," Meteorol. i Gidrologiya, No 4, 1954, pp. 51-52.

The results of special observations conducted in the winter of 1946-1947 at the Chichnitsk meteorological station on the measurement of the temperature of soil by means of the Linnenz'kov device -- Svinov thermometers are presented. The observations indicated that the Linnenz'kov device is not free from the influence of the temperature of the external air on the readings of the thermometer in it, the influence here increasing with increase in the difference between the temperature of the air and that of the soil. The standard thermometers, e.g., Svinov, do not guarantee the recording of the minimum temperature. For measurement of the temperature of the upper layer of the soil it is necessary to employ more precise instruments -- thermoelectric devices or remotely controlled thermograph with thermometers of the Svinov type or absolute devices for the computation of corrections. (RZGeol, No 3, 1955) SC: Sum. No. 713, 9 Nov 55

SUDAKEVICH, Yu. Ye.

AUTHOR: Sudakevich, Yu. Ye.

TITLE: Improvement of the Minimum Temperature Measuring Method (Ob utochnenii metodiki izmereniya minimal'noy temperatury).

PERIODICAL: Meteorologiya i Gidrologiya, 1957, No. 1, pp. 45-46 (U.S.S.R.)

ABSTRACT: Quoting an actual case history of a sudden early fall frost recorded on September 1, 1955 by the Chishma Agrometeorological Station, the author points out that the existing methods do not secure the registration of the actual temperature minimum of the air layer near the ground. The fact is the lowest temperature is recorded directly above the ground, with the upward ascent the temperature rises first rapidly then decreases gradually (See Fig. 1). The author emphasizes that agriculture must be furnished accurate data on temperature which vegetation can withstand and that temperature which is harmful to vegetation. Measures must be taken to improve the minimum temperature measuring methods. Stations serving agriculture and industrial organizations must have minimum thermometer sets placed 2 cm. above the ground in

Card 1/2

SVERAKEVICH Yu.

COUNTRY: USSR

CULTIVANT: Cultivated Potato, Potatoes, Vegetables.

M

AS. NO. 1: Kirov, No. 1, 1959; No. 1655.

PUBLISHER: Naukova Dumka, Kyiv; Kiev, U.S.S.R.

TITLE: Some Observations on Potato Growth.

AS. NO. 2: Kirov, No. 1, 1957; No. 16, 36-37

PUBLISHER: During the years of 1953 through 1956, the Chirikinsk agricultural-meteorological station had studied the effect of moisture in the soil on the potato crop. In greater the receiver note of productive soil moisture, the higher the crop was. After a general withering of leaves, there continued the growth of potato tuber which varied yearly from 29 to 59 centimeters because,

-- Yu. A. Chirkov

C.R.D.: /

307/ 50-58-6-7/24

The Microclimate of the Maize Field

in the field exceed considerably those of the weather station; while the sums of the minimum temperatures in the field are always lower than those in the station. In a less dense standing growth (sort Chishminskaya III) the temperature contrasts were more marked than in the field of the Sterling sort; within the range of the same sort the relations of the temperature sums in the field and in the station depend on the standard and the way of sowing, as well as on the development of the green mass of the plants. These are also illustrated in Table 4 which shows the differences between the years 1956 and 1957. There is reason to believe that the difference of the components of the almost same sums of mean temperatures in the station and in the field will exert an influence on the biological efficiency of these sums. The discussion of the minimum temperatures at various heights would be interesting. This could be of importance in the registration of the effect of early frosts on maize. The measuring of the relative air humidity shows that it is by 6 - 7 % higher in the field than in the station. The deviation of the soil temperature at a depth of 10 cm was greatest towards the evening (Table 5). It would be interesting to arrange observations in other areas. There are 5 tables.

Card 2/3

SOV/ 50-58-6-7/24

The Microclimate of the Maize Field

1. Meteorology--USSR 2. Weather forecasting 3. Weather stations--Applications
4. Plants--Meteorological factors

Card 3/3

SUDAKEVICH, Yu.Ve.

Microclimatic characteristics of the Nikita Botanical Garden
with regard to frost danger. Trudy UkrNIGMI no.14:99-110
'58. (MIRA 12:5)

(Nikita Botanical Garden--Frost)

KIRICHENKO, Vasiliy Stepanovich, inzh.; FEYSEL'SON, B.Yu., kand.tekhn.
nauk, retsenzent; SUDAKOV, Ye.A., red.inzh.; pri uchastii:
PORVATOV, N.A., inzh.; KRASAVIN, D.P., inzh.; KOROBETNIKOV, M.M.,
inzh.; ROGOZHIN, P.I., inzh.; YEVDOKOMOV, F.N., inzh.; STUPIN,
A.N., inzh.; ZVYAGIN, A.V., inzh.; SIROTIN, A.M., red.izd-va,
inzh., EL'KIND, V.D., tekhn.red.

[Water-cooled chill molds] Vodootkhlaazhdaemye kekili. Moskva, Gos.
nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958. 95 p. (MIRA 11:12)
(Molding (Founding))

POLYAKOV, Yakov Grigor'yevich; SUDAKIN, Ya.A., inzh., red.; SOBOLEVA, G.N.,
red. izd-va.; TIKHANOV, A.Ya., tekhn. red.

[Founding abroad] Liteinoe proizvodstvo za rubezhom. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 250 p.
(MIRA 11:12)

(Founding)

MARIYENBAKH, Lev Mikhaylovich, prof., doktor tekhn.nauk; SUDAKIN, Ya.A.,
inzh., red.; SOBOLEVA, G.N., red.izd-va; EL'KIND, V.D., tekhn.
red.

[Metallurgical principles of the cupola process] Metallurgi-
cheskie osnovy vagonochchnogo protessa. Moskva, Gos.nauchno-tekhn.
izd-vo mashinostroit.lit-ry, 1960. 326 p. (MIRA 13:8)
(Cupola furnaces) (Metallurgy)

BARILOV, N.A., kand. tekhn. nauk; TITOV, K.D., kand. tekhn. nauk,
reisenzent; SUDAKIN, Ya.A., inzh., red.

[Water-cooled cupola furnaces and their metallurgical possi-
bilities] Vodookhlaazi daemye vagranki i ikh metalurgiche-
skie vozmozhnosti. Moskva, Izd-vo "Mashinostroenie," 1964.
225 p. (MIRA 17:7)

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SUDAKOV, A.A., inzh.

Production of whale oil. Masl.-zhir.prom. 26 no.12;1-4 D '60.
(MIRA 13:12)

1. Kitoboynaya flotiliya "Slava."
(Whale oil)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

SUDAKOV, A. I.

21305 SUDAKOV, A. I.. Putn soobsheniya blizhnego vostoka I ikh razvitiye v
noveysheye vremya. Trudy vtorogo vsesoyuz. Geogr. S"ezda. T. Sh. M.,
1948, S. 376-86.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

SHAFRANOVSKIY, K.I.; KNYAZNETSKAYA, Ye.A.; SUDAKOV, A.I.

Map of the Caucasus and the Caspian Sea of 1723. Izv. Vses. geog. ob-vu 85
no. 4:468-470 Jl-Ag '53. (MLRA 6:8)
(Caucasus--Maps, Early)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

MASHURIYAN, V.N.; LIPIN, B.V.; SHKLOVSKIY, V.I.; SUDAKOV, A.I.

Multistage retreatment of converter slags. TSvet. met. 37 no.1P?
19-23 D '64 (MIRA 18:2)

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"

SUDAKOV, A.S.

Preliminary field exploration of the work area and composition of
editorial charts. Geod. i kart. no.1:40-46 Ja '61. (MIRA 14:9)
(Surveying)

SUDAKOV, A.V.

Water balance of the sandy soils of pine strip forests in the
Irtysh region. Pochvovedenie no. 5:54-60 My '61. (MIRA 14:5)

1. Agrofizicheskiy nauchno-issledovatel'skiy institut Akademii
sel'skokhozyaystvennykh nauk imeni V.I. Lenina.
(Irtysh Valley—Soil moisture)

SUDAKOV, A.V. (Leningrad)

Transpiration and water expenditure through transpiration in pine stands in the sands of the lower Dnieper Valley. Bot. zhur. 46 no.12:1807-1811 b '61. (MIRA 15:1)

(Dnieper Valley--Pine)
(Plants--Transpiration)

MALYAROV, K.L. [deceased]; SUDAKOV, F.P.

Citrate and tartrate complexes of lanthanum, praseodymium,
neodymium, and samarium. Zhur. neorg. khim. 6 no.7:1559-
1564 Jl '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova,
Khimicheskiy fakul'tet, kafedra analiticheskoy khimii.
(Rare earth compounds) (Acids, Organic)

ALIMARIN, I.P.; SUDAKOV, F.P.; GOLOVKIN, B.G.

Use of N-benzoylphenylhydroxylamine in analytical chemistry.
Usp.khim. 31 no.8:989-1003 Ag '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, khimi-
cheskiy fakul'tet.
(Hydroxylamine) (Chemistry, Analytical)

S/0075/64/019/006/0734/0741

ACCESSION NR: AP4040671

AUTHOR: Ku Tkhan' Long; Sudakov, F. P.; Shakhova, Z. F.

TITLE: Photometric determination of tellurium by weakening the color of a solution of silicomolybdic acid.

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 6, 1964, 734-741

TOPIC TAGS: tellurium, photometric analysis, telluromolybdic acid, silicomolybdic acid, alpha silicomolybdic acid, indirect photometric determination

ABSTRACT: A method was worked out for photometrically determining tellurium by the weakening of the color of a silicomolybdic acid solution. It was determined that Te (IV) weakens the yellow color of an aqueous solution of silicomolybdic acid due to the displacement of the Si from the silicomolybdate with the Te(IV). The more stable colorless compound telluromolybdic acid having the stoichiometric ratio of Te:Mo = 1:6 is formed. This color weakening was used for the indirect determination of stoichiometric ratios during the formation of telluromolybdic acid ions in the solution and for the indirect photometric determination of small amounts of Te. Since all forms of silicomolybdic acid tend to convert irreversibly

Card 1/2

ACCESSION NR: AP4040671

to the most stable alpha-form which does not decolorize in the presence of Te (IV), the reagents for analysis should be added in the following order: tellurium, molybdenum, acid, silicon. Since the color weakening is the same for the Mo:Si ratio range of 18:1 to 4:1, initial Mo:Si concentration should be about 18:1. The Te(IV)-containing solution to be analysed is mixed in a flask, ammonium molybdate is added, then 2N H₂SO₄ and finally Na₂SiO₃. The mixture is held for an hour and the optical density measured at 360 millimicrons on a spectrophotometer or on a photocolorimeter with a blue filter. Tellurium content is read from calibrated charts. Orig. art. has: 8 figures.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University)

SUBMITTED: 080ct63

ENCL: 00

SUB CODE: IC

NO RIF SOV: 002

OTHER: 001

Card 2/2

"APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9

KU TKHAN' LONG; SUDAKOV, F.P.; SHAKHOVA, Z.F.

Photometric determination of tellurium based on the fading of
color of a siliconmolybdic acid solution. Zhur. anal. khim. 19
no.6:734-741 '64. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

APPROVED FOR RELEASE: 08/26/2000

CIA-RDP86-00513R001653720017-9"